

MANUFACTURING EXTENSION PARTNERSHIP

Success Stories from the Field

Chesapeake Coating Inc

University of Maryland Manufacturing Assistance Program

Chesapeake Coating, Inc. Increases Capacity with Help from UMMAP

Client Profile:

Chesapeake Coating does industrial and architectural powder coating of components for a wide range of original equipment manufacturers. The company has been servicing the needs of the Mid-Atlantic region since 1987. Chesapeake Coating employs 18 people at its facility in Baltimore, Maryland.

Situation:

A key element of Chesapeake Coating's expansion plan was to add a large part powder coating line capable of processing parts 30 ft. in length. This new capability would enable the company to compete for additional business. Chesapeake Coating had completed the layout design and purchased the powder coating booth and curing oven. They also had selected the overhead conveyor rollers, but lacked the expertise to design the overhead conveyor structure. The company contacted the University of Maryland Manufacturing Assistance Program (UMMAP), a NIST MEP network affiliate, for help.

Solution:

UMMAP worked with Chesapeake Coating to complete the design of the overhead conveyor structure. UMMAP investigated alternatives and completed a thorough stress analysis of all columns, cross beams, rails and connection points. As a result of UMMAP's analysis, the company was able to move forward and complete the project within schedule and cost constraints. With the large part powder coating line up and running, the expansion of operations was a critical element of the company's overall business strategy.

Results:

- * Invested \$155,000 in capital improvements.

Projected:

- * Sales increase of \$175,000.
- * Retained sales of \$125,000.
- * Create 3 jobs.
- * Retain 2 jobs.

Testimonial:

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